

Executive summary

This report documents the findings of the assessment undertaken to determine the expected fire hazard properties of the OWAcoustic Premium, OWAcoustic Smart and OWAcoustic RAW range tiles in accordance with AS 5637.1:2015.

The analysis in section 5 of this report found that the proposed systems, together with the described variations, are expected to achieve the group number as shown in Table 1 – in accordance with AS 5637.1:2015.

The variations and outcome of this assessment are subject to the limitations and requirements described in sections 2, 3 and 6 of this report. The results of this report are valid until 31 December 2023.

Table 1 Classification for AS ISO 9705:2003 (R2016) and AS 5637.1:2015

Product Range	Product Name	Thickness (mm)	Density (kg/m ³)	Group Number	SMOGR _{RC}
OWAcoustic Premium	Sinfonia Silencia	20	165	1	< 100
	Sinfonia Balance	20	230	1	
	Sinfonia Privacy	20	330	1	
	Brillianto A	20	220	1	
	Ocean	20	220	1	
	Sinfonia Black	20	220	1	
	Sinfonia Privacy Humancare	20	330	1	
	Sinfonia Silencia Humancare	20	165	1	
	Sinfonia Humancare RH+	20	230	1	
	Finetta high CAC	20	300	1	
	Humancare Pro	20	165	1	
	Humancare Plus	20	190	1	
	Humancare Lab	20	270	1	
	Sinfonia Balance 25	25	230	1	
	Brillianto A	15	220	1	< 100
	Sinfonia	15	220	1	
	Sinfonia Humancare	15	220	1	
	Sinfonia black	15	220	1	
	Sinfonia C	15	280	1	< 100
	Constellation	15	300	1	
Finetta	15	300	1		

Product Range	Product Name	Thickness (mm)	Density (kg/m ³)	Group Number	SMOGR _{RC}
	Alto	15	300	1	
	Finetta CP	15	300	1	
	Sandila N	15	300	1	
	Sandila NRC	15	300	1	
	Brillianto	12	320	1	
OWAcoustic Smart	Constellation	14	300	1	< 100
	Finetta	14	300	1	
OWAcoustic RAW	RAW grey	20	200	1	< 100
	RAW clay	20	200	1	
	RAW structure	20	300	1	

Table 2 Classification for AS ISO 9705:2003 (R2016) and C/VM2 – Verification Method: Framework for Fire Safety Design

Product Range	Product Name	Thickness (mm)	Density (kg/m ³)	Group Number	Smoke production rate (m ² /s)	
OWAcoustic Premium	Sinfonia Silencia	20	165	1-S	< 5.0	
	Sinfonia Balance	20	230	1-S		
	Sinfonia Privacy	20	330	1-S		
	Brillianto A	20	220	1-S		
	Ocean	20	220	1-S		
	Sinfonia Black	20	220	1-S		
	Sinfonia Privacy Humancare	20	330	1-S		
	Sinfonia Silencia Humancare	20	165	1-S		
	Sinfonia Humancare RH+	20	230	1-S		
	Finetta high CAC	20	300	1-S		
	Humancare Pro	20	165	1-S		
	Humancare Plus	20	190	1-S		
	Humancare Lab	20	270	1-S		
	Sinfonia Balance 25	25	230	1-S		< 5.0
	Brillianto A	15	220	1-S		< 5.0
	Sinfonia	15	220	1-S		

Product Range	Product Name	Thickness (mm)	Density (kg/m ³)	Group Number	Smoke production rate (m ² /s)
	Sinfonia Humancare	15	220	1-S	
	Sinfonia black	15	220	1-S	
	Sinfonia C	15	280	1-S	
	Constellation	15	300	1-S	< 5.0
	Finetta	15	300	1-S	
	Alto	15	300	1-S	
	Finetta CP	15	300	1-S	
	Sandila N	15	300	1-S	
	Sandila NRC	15	300	1-S	
	Brillianto	12	320	1-S	
OWAcoustic Smart	Constellation	14	300	1-S	< 5.0
	Finetta	14	300	1-S	
OWAcoustic RAW	RAW grey	20	200	1-S	< 5.0
	RAW clay	20	200	1-S	
	RAW structure	20	300	1-S	